

(FILE 'HOME' ENTERED AT 12:14:03 ON 14 AUG 2000)

FILE 'MEDLINE, BIOSIS, CANCERLIT, CAPLUS, EMBASE' ENTERED AT 12:14:10 ON
14 AUG 2000

L1 19281 S UBIQUITIN
L2 2593 S L1 AND (FUSION OR CHIMER? OR HYBRID?)
L3 2593 S L1 AND L2
L4 143 S L3 AND CARRIER
L5 1219172 S L4 AND EPITOPE OR ANTIGEN?
L6 32 S L4 AND (EPITOPE OR ANTIGEN?)
L7 24 DUP REM L6 (8 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 12:16:51 ON 14 AUG 2000

=> d his

(FILE 'HOME' ENTERED AT 10:34:34 ON 14 AUG 2000)

INDEX 'ADISALERTS, ADISINSIGHT, AGRICOLA, AIDSLINE, ANABSTR, AQUASCI,
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO,
CABA,
CANCERLIT, CAPLUS, CEABA, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU,
DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 10:34:45 ON 14 AUG
2000

SEA UBIQUITIN

30 FILE ADISALERTS
7 FILE ADISINSIGHT
536 FILE AGRICOLA
55 FILE AIDSLINE
47 FILE ANABSTR
49 FILE AQUASCI
50 FILE BIOBUSINESS
52 FILE BIOCOMMERCE
4814 FILE BIOSIS
261 FILE BIOTECHABS
261 FILE BIOTECHDS
2292 FILE BIOTECHNO
527 FILE CABA
1137 FILE CANCERLIT
4728 FILE CAPLUS
53 FILE CEABA
9 FILE CEN
17 FILE CIN
158 FILE CONFSCI
3 FILE CROPU
19 FILE DDFB
38 FILE DDFU
2876 FILE DGENE
19 FILE DRUGB
10 FILE DRUGNL
57 FILE DRUGU
103 FILE EMBAL
3790 FILE EMBASE
2330 FILE ESBIODBASE
6 FILE FROSTI
25 FILE FSTA
15963 FILE GENBANK
1 FILE HEALSAFE
122 FILE IFIPAT
580 FILE JICST-EPLUS
1901 FILE LIFESCI
3 FILE MEDICONF
4812 FILE MEDLINE
4 FILE NIOSHTIC
24 FILE NTIS
6 FILE OCEAN
5 FILE PHAR
17 FILE PHIN
96 FILE PROMT
5439 FILE SCISEARCH

626 FILE TOXLINE
912 FILE TOXLIT
755 FILE USPATFULL
178 FILE WPIDS
178 FILE WPINDEX

L1

QUE UBIQUITIN

SEA L1 AND (FUSION OR CHIMER? OR HYBRID?)

1 FILE ADISALERTS
102 FILE AGRICOLA
11 FILE AIDSLINE
2 FILE ANABSTR
5 FILE AQUASCI
12 FILE BIOBUSINESS
10 FILE BIOCOMMERCE
530 FILE BIOSIS
149 FILE BIOTECHABS
149 FILE BIOTECHDS
466 FILE BIOTECHNO
120 FILE CABA
201 FILE CANCERLIT
707 FILE CAPLUS
24 FILE CEABA
1 FILE CEN
3 FILE CIN
4 FILE CONFSCI
1 FILE CROPU
497 FILE DGENE
1 FILE DRUGNL
6 FILE DRUGU
15 FILE EMBAL
454 FILE EMBASE
325 FILE ESBIODBASE
6 FILE FSTA
1275 FILE GENBANK
69 FILE IFIPAT
20 FILE JICST-EPLUS
315 FILE LIFESCI
701 FILE MEDLINE
1 FILE PHAR
1 FILE PHIN
27 FILE PROMT
607 FILE SCISEARCH
94 FILE TOXLINE
225 FILE TOXLIT
687 FILE USPATFULL
69 FILE WPIDS
69 FILE WPINDEX

L2

QUE L1 AND (FUSION OR CHIMER? OR HYBRID?)

SEA L2 AND (EPITOPE OR VACCINE# OR IMMUNOGENIC OR IMMUNE

RESPON

1 FILE ADISALERTS
7 FILE AIDSLINE
33 FILE BIOSIS
24 FILE BIOTECHABS
24 FILE BIOTECHDS
38 FILE BIOTECHNO
3 FILE CABA
36 FILE CANCERLIT
86 FILE CAPLUS
1 FILE CEN
55 FILE DGENE

1 FILE DRUGU
 1 FILE EMBAL
 37 FILE EMBASE
 34 FILE ESBIODASE
 4 FILE GENBANK
 6 FILE IFIPAT
 2 FILE JICST-EPLUS
 30 FILE LIFESCI
 61 FILE MEDLINE
 1 FILE PHAR
 16 FILE PROMT
 51 FILE SCISEARCH
 6 FILE TOXLINE
 4 FILE TOXLIT
 426 FILE USPATFULL
 12 FILE WPIDS
 12 FILE WPINDEX

L3
 RESPON QUE L2 AND (EPITOPE OR VACCINE# OR IMMUNOGENIC OR IMMUNE

 SEA L3 AND N-TERMIN##

1 FILE AIDSLINE
 1 FILE BIOSIS
 3 FILE BIOTECHABS
 3 FILE BIOTECHDS
 2 FILE BIOTECHNO
 4 FILE CANCERLIT
 5 FILE CAPLUS
 7 FILE DGENE
 2 FILE EMBASE
 1 FILE ESBIODASE
 1 FILE GENBANK
 2 FILE IFIPAT
 1 FILE LIFESCI
 5 FILE MEDLINE
 1 FILE PROMT
 6 FILE SCISEARCH
 1 FILE TOXLINE
 313 FILE USPATFULL
 5 FILE WPIDS
 5 FILE WPINDEX

L4 QUE L3 AND N-TERMIN##

 SEA L3 AND (STIMULAT? OR ELICIT?)

3 FILE AIDSLINE
 8 FILE BIOSIS
 2 FILE BIOTECHABS
 2 FILE BIOTECHDS
 10 FILE BIOTECHNO
 10 FILE CANCERLIT
 19 FILE CAPLUS
 1 FILE CEN
 35 FILE DGENE
 10 FILE EMBASE
 10 FILE ESBIODASE
 1 FILE IFIPAT
 7 FILE LIFESCI
 15 FILE MEDLINE
 10 FILE PROMT
 12 FILE SCISEARCH
 2 FILE TOXLINE
 1 FILE TOXLIT
 325 FILE USPATFULL

L5 1 FILE WPIDS
1 FILE WPINDEX
QUE L3 AND (STIMULAT? OR ELICIT?)

FILE 'USPATFULL, CAPLUS, MEDLINE, SCISEARCH, BIOTECHNO, CANCERLIT, EMBASE, ESBIODBASE, PROMT, BIOSIS, LIFESCI, AIDSLINE, BIOTECHDS, TOXLINE, CEN, IFIPAT, TOXLIT, WPIDS, GENBANK' ENTERED AT 10:47:38 ON 14 AUG 2000
L6 447 S L5
L7 370 DUP REM L6 (77 DUPLICATES REMOVED)
L8 334 S L7 AND PATENT/DT
L9 36 S L7 NOT L8

FILE 'STNGUIDE' ENTERED AT 10:54:39 ON 14 AUG 2000

FILE 'CAPLUS, MEDLINE, SCISEARCH, BIOTECHNO, CANCERLIT, ESBIODBASE, PROMT, CEN' ENTERED AT 11:05:55 ON 14 AUG 2000

FILE 'STNGUIDE' ENTERED AT 11:05:59 ON 14 AUG 2000

FILE 'CAPLUS, MEDLINE, SCISEARCH, BIOTECHNO, CANCERLIT, ESBIODBASE, PROMT, CEN' ENTERED AT 11:06:47 ON 14 AUG 2000

FILE 'STNGUIDE' ENTERED AT 11:06:47 ON 14 AUG 2000

FILE 'CAPLUS, MEDLINE, SCISEARCH, BIOTECHNO, CANCERLIT, ESBIODBASE, PROMT, CEN' ENTERED AT 11:07:49 ON 14 AUG 2000

FILE 'STNGUIDE' ENTERED AT 11:07:53 ON 14 AUG 2000

FILE 'CAPLUS' ENTERED AT 11:08:52 ON 14 AUG 2000
L10 19 S L7
L11 11 S L7 NOT L8

L9 ANSWER 32 OF 65 CAPLUS COPYRIGHT 2000 ACS DUPLICATE 12
 AN 1998:811924 CAPLUS
 DN 130:181262
 TI Epitope-specific antibody and suppression of antibody responses against a **hybrid** self protein
 AU Lohnas, Gerald L.; Roberts, Steven F.; Pilon, Aprile; Tramonatano, Alfonso
 CS Phoenix Co., Gaithersburg, MD, 20877, USA
 SO J. Immunol. (1998), 161(12), 6518-6525
 CODEN: JOIMA3; ISSN: 0022-1767
 PB American Association of Immunologists
 DT Journal
 LA English
 AB This study addresses the relationship of epitope-specific Ab responses and alternative autoantibody responses in a model system in which an antigenized self protein serves as the carrier for a defined heterologous B cell epitope. **Ubiquitin**, a nonimmunogenic self protein, was engineered to present heterologous B and T cell epitopes in the recombinant mol. **Fusion** to the C terminus introduced a universal T cell epitope from a Mycobacterium tuberculosis Ag. The B cell epitope was created by inserting a fold, allowing a new conformational epitope to be presented among native self epitopes. Mice immunized with the **hybrid** protein bearing only the mycobacterial T cell epitope elicited a strong autoantibody response to native **ubiquitin**. In contrast, antisera elicited against **hybrid ubiquitin** presenting the HIV B cell epitope reacted specifically with the foreign epitope but not with native **ubiquitin**. Absence of autoantibody in the response was attributed to poor competition of autoreactive B cells for limiting T cell help. Both types of responses were assocd. with Th responses to defined epitopes of the **ubiquitin hybrid** protein. These results may have implications for a tolerance mechanism dependent on B-T cell cooperation.

RE.CNT 45
 RE
 (1) Adelstein, S; Science 1991, V251, P1223 CAPLUS
 (2) Bachmair, A; Science 1986, V234, P179 CAPLUS
 (3) Baier, G; J Virol 1995, V69, P2357 CAPLUS
 (4) Brown, A; Vaccine 1991, V9, P595 CAPLUS
 (5) Butt, T; Proc Natl Acad Sci USA 1989, V86, P2540 CAPLUS
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 55 bib ab

YOU HAVE REQUESTED DATA FROM FILE 'MEDLINE, BIOSIS, CANCERLIT, CAPLUS, EMBASE' - CONTINUE? (Y)/N:y

L9 ANSWER 55 OF 65 MEDLINE DUPLICATE 23
 AN 93329143 MEDLINE
 DN 93329143
 TI **Antigen**-specific induction of antibodies against native mammalian DNA in nonautoimmune mice.